

L Number	Hits	Search Text	DB	Time stamp
1	3339	clamping near2 diodes	USPAT; US-PGPUB	2003/12/02 08:33
2	9615	pass near2 transistor	USPAT; US-PGPUB	2003/12/02 08:33
3	9	(clamping near2 diodes) same (pass near2 transistor)	USPAT; US-PGPUB	2003/12/02 08:34
4	424	(clamping near2 diodes) and voltage near2 regulator	USPAT; US-PGPUB	2003/12/02 08:38
5	32	((clamping near2 diodes) and voltage near2 regulator) and (pass near2 transistor)	USPAT; US-PGPUB	2003/12/02 08:35
6	0	((clamping near2 diodes) and voltage near2 regulator) and bootstrap\$2 near2 voltage	USPAT; US-PGPUB	2003/12/02 08:35
7	0	((clamping near2 diodes) and voltage near2 regulator) and bootstrap\$2	USPAT; US-PGPUB	2003/12/02 08:36
8	30	((clamping near2 diodes) and voltage near2 regulator) and bootstrap\$2	USPAT; US-PGPUB	2003/12/02 08:40
9	416	((clamping near2 diodes) and voltage near2 transient	USPAT; US-PGPUB	2003/12/02 08:38
10	120	((clamping near2 diodes) and voltage near2 transient) and regulator	USPAT; US-PGPUB	2003/12/02 08:40
11	753	clamping near2 gate	USPAT; US-PGPUB	2003/12/02 12:13
12	24	(clamping near2 gate) and bootstrap\$2	USPAT; US-PGPUB	2003/12/02 08:42
13	93	(clamping near2 gate) and pull-up	USPAT; US-PGPUB	2003/12/02 09:26
14	5	("4527077" "5293082" "5317206" "6060938" "6087885").PN.	USPAT	2003/12/02 08:48
15	10	6236248.URPN.	USPAT	2003/12/02 08:50
16	4	("5134316" "5248906" "5313118" "5384498").PN.	USPAT	2003/12/02 09:08
17	17	5585740.URPN.	USPAT	2003/12/02 09:09
18	5239	clamping near2 circuit	USPAT; US-PGPUB	2003/12/02 09:26
19	282	(clamping near2 circuit) and pull-up	USPAT; US-PGPUB	2003/12/02 09:48
20	4	("5179297" "5444401" "5504450" "5663917").PN.	USPAT	2003/12/02 09:44
21	467	diode-connect\$2 and pull-up	USPAT; US-PGPUB	2003/12/02 09:48
22	95	(diode-connect\$2 and pull-up) and clamping	USPAT; US-PGPUB	2003/12/02 09:53
23	5	((("6388495") or ("6236248") or ("6078487") or ("5973534") or ("6201428"))).PN.	USPAT; US-PGPUB	2003/12/02 10:23
24	4	antiparallel near2 clamping	USPAT; US-PGPUB	2003/12/02 10:27
25	11	("3754193" "3869676" "4070600" "4161693" "4401901" "4728815" "5015891" "5077489" "5287070" "5621340" "5670910").PN.	USPAT	2003/12/02 10:25
26	0	6225832.URPN.	USPAT	2003/12/02 10:26
27	8	string near2 diode near2 clamping	USPAT; US-PGPUB	2003/12/02 10:28
28	38	plurality near2 diode near2 clamping	USPAT; US-PGPUB	2003/12/02 10:29
29	0	ring near2 diode near2 clamping	USPAT; US-PGPUB	2003/12/02 10:29
30	850	string near2 diode	USPAT; US-PGPUB	2003/12/02 10:29
31	98	{string near2 diode } and ESD	USPAT; US-PGPUB	2003/12/02 10:49
32	16	("4990976" "5077591" "5087955" "5159518" "5208719" "5274262" "5287241" "5290724" "5442217" "5530612" "5616943" "5774318" "5978192" "5986863" "6046492" "6171891").PN.	USPAT	2003/12/02 10:38
34	51897	cathode near2 anode	USPAT; US-PGPUB	2003/12/02 10:49

35	51897	anode near2 cathode	USPAT; US-PGPUB	2003/12/02 10:50
36	51897	(cathode near2 anode) same (anode near2 cathode)	USPAT; US-PGPUB	2003/12/02 10:50
37	311	(cathode near2 anode) near2 (anode near2 cathode)	USPAT; US-PGPUB	2003/12/02 10:50
38	2	((cathode near2 anode) near2 (anode near2 cathode)) same clamp\$2	USPAT; US-PGPUB	2003/12/02 10:50
39	743	antiparallel near2 diode	USPAT; US-PGPUB	2003/12/02 10:51
40	32	(antiparallel near2 diode) same clamp\$2	USPAT; US-PGPUB	2003/12/02 11:00
41	4	(antiparallel near2 diode) same ESD	USPAT; US-PGPUB	2003/12/02 10:55
42	11	(antiparallel near2 diode) AND ESD	USPAT; US-PGPUB	2003/12/02 10:57
43	44	(antiparallel near2 diode) AND CLAMPING NEAR2 VOLTAGE	USPAT; US-PGPUB	2003/12/02 10:57
44	18	(antiparallel near2 diode) AND (pass near2 transistor)	USPAT; US-PGPUB	2003/12/02 11:05
45	22	(antiparallel near2 diode) AND PULL-UP	USPAT; US-PGPUB	2003/12/02 11:06
46	77	(antiparallel near2 diode) AND BUFFER	USPAT; US-PGPUB	2003/12/02 11:08
47	86	(antiparallel near2 diode) AND OVERVOLTAGE	USPAT; US-PGPUB	2003/12/02 11:12
48	32	(antiparallel near2 diode) AND ELECTROSTATIC	USPAT; US-PGPUB	2003/12/02 11:13
49	116	(antiparallel near2 diode) AND REGULATOR	USPAT; US-PGPUB	2003/12/02 11:14
50	2	(antiparallel near2 diode) SAME (pass near2 transistor)	USPAT; US-PGPUB	2003/12/02 12:12
51	2129	CLAMPING NEAR2 PARALLEL	USPAT; US-PGPUB	2003/12/02 12:14
52	2	(CLAMPING NEAR2 PARALLEL) AND PASS NEAR2 TRANSISTOR	USPAT; US-PGPUB	2003/12/02 12:13
53	122	clamping near2 mos	USPAT; US-PGPUB	2003/12/02 12:13
54	16093	DIODE NEAR2 PARALLEL	USPAT; US-PGPUB	2003/12/02 12:15
55	128	(DIODE NEAR2 PARALLEL) NEAR2 GATE	USPAT; US-PGPUB	2003/12/02 12:16
56	36	CLAMPING NEAR2 TRANSISTOR NEAR3 PARALLEL	USPAT; US-PGPUB	2003/12/02 13:11
57	235	CLAMPING NEAR2 TRANSISTOR NEAR3 GATE	USPAT; US-PGPUB	2003/12/02 12:20
58	27	(pass near2 transistor) AND (CLAMPING NEAR2 TRANSISTOR NEAR3 GATE)	USPAT; US-PGPUB	2003/12/02 12:17
60	0	(CLAMPING NEAR2 DYNAMIC) NEAR2 GATE	USPAT; US-PGPUB	2003/12/02 12:20
59	113	CLAMPING NEAR2 DYNAMIC	USPAT; US-PGPUB	2003/12/02 12:24
61	8	CLAMPING NEAR2 (pass near2 transistor)	USPAT; US-PGPUB	2003/12/02 12:25
62	1687	CLAMPING NEAR2 TRANSISTORS	USPAT; US-PGPUB	2003/12/02 12:32
63	24	(CLAMPING NEAR2 TRANSISTORS) SAME (pass near2 transistor)	USPAT; US-PGPUB	2003/12/02 12:26
64	629	(CLAMPING NEAR2 TRANSISTORS) SAME GATE	USPAT; US-PGPUB	2003/12/02 12:26
65	193	(CLAMPING NEAR2 TRANSISTORS) NEAR2 GATE	USPAT; US-PGPUB	2003/12/02 12:26
66	1254	CLAMPING NEAR2 POSITIVE	USPAT; US-PGPUB	2003/12/02 12:34
67	14	(pass near2 transistor) AND (CLAMPING NEAR2 POSITIVE)	USPAT; US-PGPUB	2003/12/02 12:33
68	1454	(pass near2 transistor) AND PULL-UP	USPAT; US-PGPUB	2003/12/02 12:33
69	23	(CLAMPING NEAR2 POSITIVE) AND PULL-UP	USPAT; US-PGPUB	2003/12/02 12:33

70	753	CLAMPING NEAR2 GATE	USPAT;	2003/12/02 12:39
71	48	(pass near2 transistor) AND (CLAMPING NEAR2 GATE)	US-PGPUB USPAT;	2003/12/02 12:39
72	5	("5468661" "5612563" "5736843" "5811962" "5825163").PN.	US-PGPUB USPAT	2003/12/02 12:37
73	0	5909110.URPN.	USPAT	2003/12/02 12:38
74	1247	CLAMPING NEAR2 INPUT	USPAT; US-PGPUB	2003/12/02 12:42
75	50	(pass near2 transistor) AND (CLAMPING NEAR2 INPUT)	USPAT; US-PGPUB	2003/12/02 12:39
76	4648	CLAMPING NEAR2 VOLTAGE	USPAT; US-PGPUB	2003/12/02 12:42
77	1577	(CLAMPING NEAR2 VOLTAGE) SAME INPUT	USPAT; US-PGPUB	2003/12/02 12:50
78	272	(CLAMPING NEAR2 VOLTAGE) NEAR2 INPUT	USPAT; US-PGPUB	2003/12/02 12:49
79	951314	VERTICAL NEAR2TRANSISTOR	USPAT; US-PGPUB	2003/12/02 12:49
80	4739	VERTICAL NEAR2 TRANSISTOR	USPAT; US-PGPUB	2003/12/02 12:49
81	9	(CLAMPING NEAR2 VOLTAGE) SAME (VERTICAL NEAR2 TRANSISTOR)	USPAT; US-PGPUB	2003/12/02 12:50
82	96	(CLAMPING NEAR2 VOLTAGE) AND (VERTICAL NEAR2 TRANSISTOR)	USPAT; US-PGPUB	2003/12/02 12:53
83	4	("4267501" "4318040" "4390833" "5272399").PN.	USPAT	2003/12/02 12:51
84	0	6504424.URPN.	USPAT	2003/12/02 12:52
85	4	ANTIPARALLEL NEAR2 CLAMPING	USPAT; US-PGPUB	2003/12/02 12:54
86	30	ANTIPARALLEL SAME CLAMPING	USPAT; US-PGPUB	2003/12/02 12:56
87	80	ANTI NEAR2 PARALLEL SAME CLAMPING	USPAT; US-PGPUB	2003/12/02 13:01
88	1	("6281713").PN.	USPAT; US-PGPUB	2003/12/02 13:06
89	49	nmos NEAR2 CLAMPING	USPAT; US-PGPUB	2003/12/02 13:00
90	4	ANTI NEAR2 PARALLEL SAME (pass near2 transistor)	USPAT; US-PGPUB	2003/12/02 13:01
91	546	ANTI NEAR2 PARALLEL SAME GATE	USPAT; US-PGPUB	2003/12/02 13:02
92	41	ANTI NEAR2 PARALLEL NEAR2 GATE	USPAT; US-PGPUB	2003/12/02 13:02
93	1461	CHANNEL NEAR2 CAPACITANCE	USPAT; US-PGPUB	2003/12/02 13:06
94	41	(CLAMPING NEAR2 VOLTAGE) AND (CHANNEL NEAR2 CAPACITANCE)	USPAT; US-PGPUB	2003/12/02 13:08
95	2092	SOURCE-DRAIN NEAR2 TRANSISTOR	USPAT; US-PGPUB	2003/12/02 13:08
96	1202	DRAIN-SOURCE NEAR2 TRANSISTOR	USPAT; US-PGPUB	2003/12/02 13:08
97	39	(SOURCE-DRAIN NEAR2 TRANSISTOR) SAME (DRAIN-SOURCE NEAR2 TRANSISTOR)	USPAT; US-PGPUB	2003/12/02 13:11
98	1195	DIODE NEAR2 ANTI	USPAT; US-PGPUB	2003/12/02 13:12
99	13	CLAMPING NEAR2 (DIODE NEAR2 ANTI)	USPAT; US-PGPUB	2003/12/02 13:12
100	905	DIODE NEAR2 ANTI NEAR2 PARALLEL	USPAT; US-PGPUB	2003/12/02 13:12
101	43	CLAMPING SAME (DIODE NEAR2 ANTI NEAR2 PARALLEL)	USPAT; US-PGPUB	2003/12/02 13:17
102	6	("4654549" "4675551" "4771191" "5239559" "5589813" "5714900").PN.	USPAT	2003/12/02 13:14
103	2	5892717.URPN.	USPAT	2003/12/02 13:14
104	80	CLAMPING SAME ANTI NEAR2 PARALLEL	USPAT; US-PGPUB	2003/12/02 13:18
105	1501	(STRING STACK) NEAR2 DIODES	USPAT; US-PGPUB	2003/12/02 13:27
106	103	((STRING STACK) NEAR2 DIODES) SAME CLAMPING	USPAT; US-PGPUB	2003/12/02 13:27

107	551	CHAIN NEAR2 DIODES	USPAT;	2003/12/02 13:28
108	25	(CHAIN NEAR2 DIODES) SAME CLAMPING	USPAT; US-PGPUB	2003/12/02 13:29
109	16093	PARALLEL NEAR2 DIODES	USPAT; US-PGPUB	2003/12/02 13:28
110	362	(PARALLEL NEAR2 DIODES) SAME CLAMPING	USPAT; US-PGPUB	2003/12/02 13:29
111	13	(pass near2 transistor) AND ((PARALLEL NEAR2 DIODES) SAME CLAMPING)	USPAT; US-PGPUB	2003/12/02 13:29
112	36	esd AND ((PARALLEL NEAR2 DIODES) SAME CLAMPING)	USPAT; US-PGPUB	2003/12/02 13:39
113	5	("4092709" "4464634" "4523152" "5070538" "5512857").PN.	USPAT	2003/12/02 13:31
114	5	("5534811" "5852540" "5923202" "6008665" "6049445").PN.	USPAT	2003/12/02 13:35
115	1	6400546.URPN.	USPAT	2003/12/02 13:35
116	27	("3967295" "4751408" "4757363" "4760434" "4831424" "4931846" "5119162" "5274274" "5397914" "5439842" "5504449" "5525829" "5525925" "5602046" "5629542" "5631187" "5661322" "5767550" "5777367" "5804846" "5805123" "5811857" "5818084" "5909139" "5923210" "5946588" "5998836").PN.	USPAT	2003/12/02 13:37
118	1	(pass near2 transistor) and (floating near2 clamping)	USPAT; US-PGPUB	2003/12/02 13:40
117	167	floating near2 clamping	USPAT; US-PGPUB	2003/12/02 13:42
119	1763	361/56.cccls.	USPAT; US-PGPUB	2003/12/02 13:46
120	48	(pass near2 transistor) and 361/56.cccls.	USPAT; US-PGPUB	2003/12/02 13:46
121	610	361/86.cccls.	USPAT; US-PGPUB	2003/12/02 13:47
122	17	(pass near2 transistor) and 361/86.cccls.	USPAT; US-PGPUB	2003/12/02 13:47
123	317	361/90.cccls.	USPAT; US-PGPUB	2003/12/02 13:48
124	8	(pass near2 transistor) and 361/90.cccls.	USPAT; US-PGPUB	2003/12/02 13:48
125	389	361/91.1.cccls.	USPAT; US-PGPUB	2003/12/02 13:49
126	7	(pass near2 transistor) and 361/91.1.cccls.	USPAT; US-PGPUB	2003/12/02 13:49
127	417	361/91.5.cccls.	USPAT; US-PGPUB	2003/12/02 13:49
128	18	(pass near2 transistor) and 361/91.5.cccls.	USPAT; US-PGPUB	2003/12/02 13:49
129	1374	361/111.cccls.	USPAT; US-PGPUB	2003/12/02 13:51
130	27	(pass near2 transistor) and 361/111.cccls.	USPAT; US-PGPUB	2003/12/02 13:51
131	711	361/118.cccls.	USPAT; US-PGPUB	2003/12/02 13:51
132	5	(pass near2 transistor) and 361/118.cccls.	USPAT; US-PGPUB	2003/12/02 13:51